

D3 - Transmetteur analogique de pression différentielle

D3 - Differential pressure transducer

Description

Media

Supply voltage

Electrical connector

Output signal

Input resistance/load

Current consumption

Linearity/Hysteresis

Long-term stability

Temperature sensitivity

Shock resistant

Vibration resistance

Media temperature

Material

The differential pressure between port P+ and P- is converted into a proportional electrical signal by a silicon pressure sensor, amplified and output as an analog current or voltage signal.
compressed air or non-corrosive gases

14-32 V DC
plug M12x1, 4-pin, with coupling socket

4-20 mA / 800 Ohm 2-wire, optional 0-10 V / 10 kOhm 3-wire

800 Ohm (4-20 mA); 10 kOhm (0-10 V)

Signal output current: max. 25 mA; signal output voltage: max. 7 mAA

$\leq \pm 0.35\%$ v.E. (at > 160 mbar); $\leq \pm 1.0\%$ v.E. (at 40-160 mbar); $\leq \pm 2.0\%$ v.E. (at < 40 mbar)

$\leq \pm 0.2\%$

$\leq \pm 0.3\%$ (10 K at < 10 mbar); $\leq \pm 0.25\%$ (10 K < 20 mbar); $\leq \pm 0.15\%$ (10 K at < 250 mbar);

$\leq \pm 0.08\%$ (10 K at > 250 mbar)

100 g (11 ms)

10 g by 20-2000 Hz

-25 ... 125 °C / -13 ... 257 °F

Body: aluminium (silver anodized)

Sensor: Silicon, RTV, Ceramic Al2O3

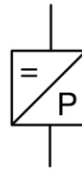
Protection class

Temperature range

IP67 according to DIN EN60529

-25 ... 85 °C

Sealing ring: PUR



**0,3% precise
compr. air or gases**

Dimensions			Overpressure on both connections max. mbar	Measurement range mbar / bar	Order number (4-20 mA)
A	B	C			
mm	mm	mm			
Differential pressure transducer					
40	56	5	100	0 ... 6 mbar -6 ... 6 mbar 0 ... 10 mbar -10 ... 10 mbar	D3 D3A-A6 D3A-A6V D3A-B1 D3A-B1V
			200	0 ... 25 mbar -25 ... 25 mbar	D3A-B25 D3A-B25V
			350	0 ... 70 mbar -70 ... 70 mbar	D3A-B7 D3A-B7V
			1000	0 ... 350 mbar -350 ... 350 mbar	D3A-C35 D3A-C35V
			3000	0 ... 1 bar -1 ... 1 bar	D3A-01 D3A-V1

Special options, add the appropriate letter or number

0-10 V output signal

D3V - . .

deviant measurement range on demand

D3 . - XX

Accessories, enclosed

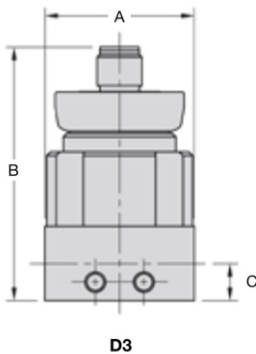
coupling socket 4-pin M12x1, straight **KM12-A4-0**

socket with cable 2 m, straight **KM12-A4-2**

5 m, straight **KM12-A4-5**

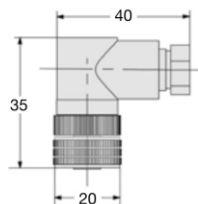
angular **KM12-C4-2**

angular **KM12-C4-5**

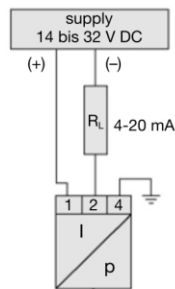


D3

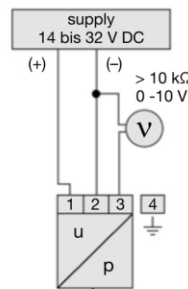
pin	colour
1	brown
2	white
3	blue
4	black



KM12-C4-0



D3A



D3V



Top view



D3



KM-A4-0



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